

# **FALCON III**

## **4Gb SATA-2 Disk Drives Series**

### High Performance without the High Price

RAID Incorporated's Falcon III series of 4Gb Fibre Channel to SATA-2 storage systems were designed for environments that simply demand the best performance and the right price. Cluster, database server, short window disk-to-disk backup, and video editing applications are just a few of the applications that thrive on Falcon III storage with price points that fit within your budget.

### Seamless Network Integration

The Falcon III was designed to support both DAS and SAN configurations and is interoperable with all standard FC host interfaces. Falcon interoperability ensures that all standard host cards and switches work seamlessly with the system. The Falcon III series is available in 8\*, 12, 16 or 24-bay single or dual controller versions, offering a maximum capacity of 24TB. An additional feature of the dual controller solution is a built-in hub which allows up to (8) systems to connect directly without using a switch in a non-redundant mode.

### Superior Performance

The Falcon III offers superior performance to any system in its class with a 4Gb internal bandwidth that features a 64-bit 400mhz databus from the CPU with Dual PCI-X buses for I/O transactions, making it unquestionably the highest performing system in its class.

### Intelligent Drive Handling

The Falcon III is RAID level 6 capable, giving it an added feature of fault tolerance. An additional feature is its intelligent drive handling function which retrieves data from damaged sectors, and handles low quality drives in both degraded mode and during the rebuild process. Falcon systems support hot-swap disk drives, hot-swap fans and hot-swap power modules for ease of component replacement without downtime.



**\*8-bay currently only available in single controller**

### Key Features

- 8, 12, 16, or 24-bay options
- Single or dual controller
- Maximum of 2GB of cache per controller
- RAID levels 0,1, (0+1), 3, 5, 6, 10, 30, 50, 60
- Multiple logical drive configurations - each with different RAID levels
- LUN filtering - RAID based and centralized access management in SAN
- Online drive expansion and support for up to 1024 LUNs
- Intelligent drive handling and task scheduler and a wide range of event notification methods

### SATA-2 Performance

- Reads in RAID 5 of 770MB/sec
- Writes in RAID 5 of 660MB/sec

### Application Uses

- Clusters
- Database servers
- Short window disk-to-disk backup
- Video on-demand
- Video editing based applications

### Operating System Compatibility

All standard Windows, Linux, and UNIX operating systems

**This product is available with:**  
**STORAGEWATCH®**

### StorageWatch 24x7 Real-Time Monitoring and Management

All Falcon systems are StorageWatch® capable allowing users to reduce both infrastructure TCO and organizational operating costs associated with today's business of data assets and intelligence ensuring long term organizational growth.